



Mechanical Engineer

poLight ASA has developed and is now introducing on the market a unique photographic lens for mobile devices, that enables new user experiences and eases implementation of autofocus functions for various applications. poLight®'s TLens® (Tuneable Lens) offers the camera module market considerable benefits, such as extremely fast focus, compact xy-dimension, no electromagnetic interference, no impact by gravity, low power consumption, and constant field of view. These features accommodate easy installation of single and multi-camera implementations, while achieving high optical quality

Polight's patented, proprietary technology enables production of active optical components based on wafer-scale MEMS and shapeable polymers. The company uses MEMS foundry, assembly, and packaging services from well-established suppliers.

poLight is headquartered in Horten, Norway, it has offices in Finland, China and France, and is represented in Korea, Taiwan and Japan. The poLight team comprises world-class researchers and developers, with expertise in optics, polymers, MEMS technology, and image applications and processing, all aiming to develop the world's leading imaging technologies.

The position requires strong mechanical engineering fundamentals, including design principles, materials, and fabrication methods. Starting with a broad mechanical engineering background, the candidate is willing to become an expert in new areas, to design and quickly build prototypes for precision, small opto-mechanical systems with tight tolerances, as well as their integration with the exterior structure. We are looking for a designer and a hands-on builder of prototypes, able to test and evaluate them, and then contribute to bringing them into high volume production.

In this role, you will:

- Make conceptual and detailed design, detailed drawings
- Drive requirements specification, feasibility studies
- Manage cost and scheduling of mechanical design
- Participate procurement of prototype parts, prototype assembly and testing
- Participate system integration and testing
- Prepare documentation and handoff to manufacturing.



REQUIRED SKILLS

- Master's degree or above in Mechanical Engineering or similar.
- 5+ years of experience in mechanical engineering
- A genuine interest in technology and electronics
- Good skills in 3D modelling (Preferably SolidWorks), 2D drawings and tolerance design
- Demonstrate creativity in solving complex design problems, with ability to organise multiple tasks and work under pressure.
- Ready to work in a multidisciplinary technical environment.
- Good team worker and self-motivated, with very good communication skills
- Able to work independently, define problems, collect data, establish facts, and draw valid conclusions, to deal with a variety of abstract and concrete variables.
- Languages: good technical English is required
- Ready to travel globally for customer support.

PRERRED SKILLS

- Experience in mechanical engineering of opto-mechanical system design or in consumer electronics is a plus.
- EM analysis, experience in shock test simulation appreciated
- Knowledge in optomechanical design, mobile camera actuator system design
- Mobile camera module design
- General printed circuit board design principles
- Material science: plastic and metal materials, conductive and non-conductive dispensed adhesives, adhesive tapes